

SEQUENCE LISTING

<110> Sode, Koji
 <120> Fructosylamine Oxidase
 <140> PCT/JP2004/003587
 <150> JP 2003-116348
 <151> 2003-03-17
 <160> 15
 <170> PatentIn version 3.1
 <210> 1
 <211> 427
 <212> PRT
 <213> Pichia sp.
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Lys	Phe	Pro	Val	Pro	Ser	Glu	Ile	Ala	Ala	Gly	Asn	Asp	Ser	Asn	Lys
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Ile	Phe	His	Tyr	Asp	Tyr	Val	Ala	Pro	Leu	Ala	Lys	Pro	Asn	Ser	Lys
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Glu	Arg	Leu	Ser	Leu	Glu	Ala	Leu	His	Leu	Trp	Lys	Thr	Asp	Pro	Val
65				70					75					80	
Tyr	Lys	Pro	Tyr	Tyr	His	Pro	Val	Gly	Phe	Ile	Leu	Ala	Ala	Ser	Ser
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Val Leu Asp Gly Asp Asn Gly Trp Leu His Ala Arg Asp Ser Leu Lys			
145	150	155	160
Ser Ala Tyr Glu Glu Cys Lys Arg Leu Gly Val Glu Phe Val Phe Gly			
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Asp Asp Gly Glu Ile Val Glu Leu Leu Asn Glu Asn Gly Lys Leu Thr			
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Gly Ile Arg Ala Arg Ser Gly Ala Ile Phe Ser Ala Gln Lys Tyr Val			
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Leu Ser Ser Gly Ala Asn Ala Val Thr Leu Leu Asn Phe Gln Arg Gln			
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Leu Glu Gly Lys Cys Phe Thr Leu Ala His Phe Lys Val Thr Asp Glu			
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Glu Ala Lys Ala Phe Lys Ser Leu Pro Val Leu Phe Asn Ala Glu Lys			
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Gly Phe Phe Phe Glu Ala Asp Glu Asn Asn Glu Ile Lys Ile Cys Asn			
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Glu Tyr Pro Gly Phe Thr His Thr Asn Glu Ser Gly Glu Ser Ile Pro			
	275	280	285
Leu Tyr Arg Met Glu Ile Pro Leu Glu Ser Ala Leu Glu Ile Arg Gln			
	290	295	300
Tyr Leu Lys Glu Thr Met Pro Gln Phe Ala Asp Arg Pro Phe Thr Lys			
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Thr Arg Ile Cys Trp Cys Thr Asp Ser Pro Asp Met Gln Leu Ile Leu			
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Cys Thr His Pro Glu Tyr Thr Asn Leu Ile Val Ala Ser Gly Asp Ser			
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Gly Asn Ser Phe Lys Ile Met Pro Ile Ile Gly Lys Tyr Val Ser Lys			
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Val Val Thr Lys Gly Asp Lys Gly Leu Asp Pro Glu Asp Lys Glu Cys			

370	375	380	
Trp Lys Trp Arg Pro Glu Thr Trp Asp Lys Arg Gly Gln Val Arg Trp			
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<212> DNA

<213> Pichia sp.

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gctgctggaa acgacagtaa caagattttt cactacgatt atgttgctcc cctggctaaa	180
cccaattcaa aagaacgggt gagtctcgaa gcattacacc ttggaagac agatccgggtg	240
tacaaaccgt actatcatcc ggtaggattt atcctggctg caagtccga tgctccatta	300
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atttcaactc ccgaggagtt tcgtgagtat ttgcccattt taaagggcc gttaccaaac	420
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aatgaatccg gagagtctat cccactctac cggatggaga ttccactcga gtcagcactt	900
gaaattagac aatacttgaa agaaaccatg cctcagtttg ctgatagacc tttaccaag	960
acaagaattt gttggtgtac cgactctccc gacatgcaat tgatcttgtg tactcaccca	1020
gaatacacca accttattgt agcatcgggt gactctggaa attcgttcaa gatcatgcc	1080

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 gataaagaat gctggaaatg gcgtcctgag acttgggaca agcgggggca ggtccgctgg 1200
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Arg

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<212> PRT

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<211> 13

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cgcagttttc ccagtcacga c

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